

Anti-SFTPA1 Antibody

Catalog # ABO10671

Product Information

Application	WB
Primary Accession	Q8IWL2
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Liquid
Description	Rabbit IgG polyclonal antibody for Pulmonary surfactant-associated protein A1(SFTPA1) detection. Tested with WB in Human;Rat.

Additional Information

Gene ID	653509
Other Names	Pulmonary surfactant-associated protein A1, PSP-A, PSPA, SP-A, SP-A1, 35 kDa pulmonary surfactant-associated protein, Alveolar proteinosis protein, Collectin-4, SFTPA1, COLEC4, PSAP, SFTP1, SFTPA, SFTPA1B
Calculated MW	26242
Application Details	Western blot, 0.1-0.5 µg/ml, Human, Rat
Subcellular Localization	Secreted, extracellular space, extracellular matrix. Secreted, extracellular space, surface film.
Source	Eukaryota
Protein Name	Pulmonary surfactant-associated protein A1(PSP-A/PSPA/SP-A/SP-A1)
Contents	Each vial contains 50% glycerol, 0.9mg NaCl, 0.2mg Na2HPO4. Carrier free (No BSA) form available in stock. If you want this antibody carrier free please specify "Carrier Free" or "No BSA" in your order note. "
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human SFTPA1(221-236aa KEQCVEMYTDGQWNR), different from the rat sequence by two amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20° C for one year, at 4° C for one month. Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the SFTPA family.

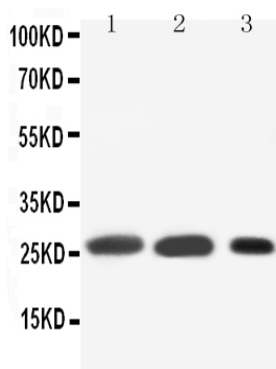
Protein Information

Name	SFTP1
Synonyms	COLEC4, PSAP, SFTP1, SFTP, SFTP1B
Function	In presence of calcium ions, it binds to surfactant phospholipids and contributes to lower the surface tension at the air- liquid interface in the alveoli of the mammalian lung and is essential for normal respiration. Enhances the expression of MYO18A/SP-R210 on alveolar macrophages (By similarity).
Cellular Location	Secreted. Secreted, extracellular space, extracellular matrix. Secreted, extracellular space, surface film

Background

Surfactant protein A is an innate immune system collectin. The gene encoding SP-A map to mouse chromosome 14.1. Surfactant protein-A, which plays a role in innate host defense in the lung, is also expressed in the Eustachian tube. We report that the frequency of specific surfactant protein-A haplotypes and genotypes differs between children with recurrent otitis media compared with a control population.

Images



Anti-SFTP1 antibody, ABO10671, Western blotting
Lane 1: Rat Lung Tissue Lysate
Lane 2: Rat Lung Tissue Lysate
Lane 3: MK(55KD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.